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NEWS 7 FEB 06 Patent sequence location (PSL) data added to USGENE
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.44	0.44

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FILE 'BIOTECHDS' ENTERED AT 12:55:08 ON 20 APR 2009
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=> s (PAI-1 and disulfide bond)
L1 406 (PAI-1 AND DISULFIDE BOND)

=> s l1 and (sulfhydryl group)
L2 69 L1 AND (SULFHYDRYL GROUP)

=> s l2 and (cysteine)
L3 66 L2 AND (CYSTEINE)

=> s l2 and (position 31 or 97)
L4 61 L2 AND (POSITION 31 OR 97)

=> s l4 and (position 192 or 197)
L5 42 L4 AND (POSITION 192 OR 197)

=> d l5 ti abs ibib 1-14

L5 ANSWER 1 OF 42 USPATFULL on STN

TI METHODS AND COMPOSITIONS FOR IMPROVED THERAPEUTIC EFFECTS WITH siRNA

AB The present invention relates to chemically modified, linked double-stranded (ds)RNA compositions comprising two or more double-stranded (ds) oligoribonucleotides linked by at least one linking moiety and methods of formulating and delivering such compositions to modulate gene expression through target-specific RNA co-interference (RNAco-i). The compositions of the invention may optionally comprise a conjugation or a complex with one or more small molecule drugs, protein therapeutics, or other dsRNA molecules. The present invention is directed at the methods of production for, methods of use of, and therapeutic utilities for RNAi co-interference therapy utilizing the compositions of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2008:354216 USPATFULL

TITLE: METHODS AND COMPOSITIONS FOR IMPROVED THERAPEUTIC EFFECTS WITH siRNA

INVENTOR(S): Berry, David Arthur, Brookline, MA, UNITED STATES
Afeyan, Noubar Boghes, Lexington, MA, UNITED STATES
Varma, Chris, Lexington, MA, UNITED STATES

PATENT ASSIGNEE(S): Flagship Ventures, Cambridge, MA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20080311040	A1	20081218
APPLICATION INFO.:	US 2008-43029	A1	20080305 (12)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2007-893165P	20070306 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Noel E. Day, Miller, Canfield, Paddock & Stone, Suite 5000, 277 South Rose Street, Kalamazoo, MI, 49007, US	
NUMBER OF CLAIMS:	146	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	7473	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 42 USPATFULL on STN

TI Laminin-5 gamma2-binding peptides, related compositions, and use thereof

AB Novel peptides that specifically bind the γ 2 chain of laminin-5 and other γ 2-associated proteins; related compositions (e.g., derivatives and variants of such peptides; nucleic acids comprising sequences encoding such peptides; pharmaceutical compositions comprising either of such molecules; etc.); methods of using the same for diagnostic, prophylactic, and therapeutic purposes; and additional new and useful related compositions and methods are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2007:75097 USPATFULL

TITLE: Laminin-5 gamma2-binding peptides, related compositions, and use thereof

INVENTOR(S): Tryggvason, Karl, Djursholm, SWEDEN
Mathiasen, Ida Stenfeldt, Kgs. Lyngby, DENMARK
Padkaer, Soren Berg, Vaerloose, DENMARK
Tarabykina, Svetlana, Frederiksberg, DENMARK
Salo, Sirpa, Oulu, FINLAND

PATENT ASSIGNEE(S): Boutaud, Ariel, Cary, NC, UNITED STATES
Novo Nordisk A/S, Bagsvaerd, DENMARK (U.S. corporation)
BioStratum Incorporated, Durham, NC, UNITED STATES
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070065447	A1	20070322
APPLICATION INFO.:	US 2006-413663	A1	20060428 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2004-DK744, filed on 28 Oct 2004, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2003-EP12012	20031029
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NOVO NORDISK, INC., PATENT DEPARTMENT, 100 COLLEGE ROAD WEST, PRINCETON, NJ, 08540, US	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	21 Drawing Page(s)	
LINE COUNT:	13284	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 3 OF 42 USPATFULL on STN

TI Constructs binding to phosphatidylserine and their use in disease treatment

AB Disclosed are new phosphatidylserine binding constructs with surprising combinations of properties, and a range of diagnostic and therapeutic conjugates thereof. The new constructs effectively bind phosphatidylserine targets in disease and enhance their destruction, and can also specifically deliver attached imaging or therapeutic agents to the disease site. Also disclosed are methods of using the new construct compositions, therapeutic conjugates and combinations thereof in tumor vasculature targeting, cancer diagnosis and treatment, and for treating viral infections and other diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:267618 USPATFULL

TITLE: Constructs binding to phosphatidylserine and their use in disease treatment

INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Luster, Troy A., Dallas, TX, UNITED STATES
King, Steven W., Ladera Ranch, CA, UNITED STATES

PATENT ASSIGNEE(S): Board of Regents, The University of Texas System (U.S. corporation)
Peregrine Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20060228299	A1	20061012
APPLICATION INFO.:	US 2006-339392	A1	20060124 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2005-646333P	20050124 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PEREGRINE PHARMACEUTICALS, INC., 5353 WEST ALABAMA, SUITE 306, HOUSTON, TX, 77056, US	

NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Page(s)
LINE COUNT: 12525
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 42 USPATFULL on STN

TI Cancer treatment kits using antibodies to aminophospholipids
AB Disclosed are the surprising discoveries that aminophospholipids, such as phosphatidylserine and phosphatidylethanolamine, are stable and specific markers accessible on the luminal surface of tumor blood vessels, and that the administration of an anti-aminophospholipid antibody alone is sufficient to induce thrombosis, tumor necrosis and tumor regression in vivo. This invention therefore provides anti-aminophospholipid antibody-based methods and compositions for use in the specific destruction of tumor blood vessels and in the treatment of solid tumors. Although various antibody conjugates and combinations are thus provided, the use of naked, or unconjugated, anti-phosphatidylserine antibodies is a particularly important aspect of the invention, due to simplicity and effectiveness of the approach.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:167038 USPATFULL
TITLE: Cancer treatment kits using antibodies to aminophospholipids
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Ran, Sophia, Dallas, TX, UNITED STATES
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20060141545	A1	20060629
APPLICATION INFO.:	US 2006-329293	A1	20060110 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-351862, filed on 12 Jul 1999, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-92672P	19980713 (60)
	US 1998-110608P	19981202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PEREGRINE PHARMACEUTICALS, INC., 5353 WEST ALABAMA, SUITE 306, HOUSTON, TX, 77056, US	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	7270	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 42 USPATFULL on STN

TI Cancer treatment kits comprising therapeutic conjugates that bind to aminophospholipids
AB Disclosed is the surprising discovery that aminophospholipids, such as phosphatidylserine and phosphatidylethanolamine, are specific, accessible and stable markers of the luminal surface of tumor blood vessels. The present invention thus provides aminophospholipid-targeted diagnostic and therapeutic constructs for use in tumor intervention. Antibody-therapeutic agent conjugates and constructs that bind to aminophospholipids are particularly provided, as are methods of

specifically delivering therapeutic agents, including toxins and coagulants, to the stably-expressed aminophospholipids of tumor blood vessels, thereby inducing thrombosis, necrosis and tumor regression.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:162122 USPATFULL
TITLE: Cancer treatment kits comprising therapeutic conjugates that bind to aminophospholipids
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Ran, Sophia, Dallas, TX, UNITED STATES
Brekken, Rolf A., Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System, Austin, TX, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7067109	B1	20060627
APPLICATION INFO.:	US 1999-351149		19990712 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-92589P	19980713 (60)
	US 1998-110600P	19981202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Padmanabhan, Sreeni	
ASSISTANT EXAMINER:	Sharareh, Shahnam	
LEGAL REPRESENTATIVE:	Fussey, Shelley P. M.	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	8637	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 42 USPATFULL on STN
TI Cancer treatment kits comprising therapeutic conjugates that bind to aminophospholipids
AB Disclosed is the surprising discovery that aminophospholipids, such as phosphatidylserine and phosphatidylethanolamine, are specific, accessible and stable markers of the luminal surface of tumor blood vessels. The present invention thus provides aminophospholipid-targeted diagnostic and therapeutic constructs for use in tumor intervention. Antibody-therapeutic agent conjugates and constructs that bind to aminophospholipids are particularly provided, as are methods of specifically delivering therapeutic agents, including toxins and coagulants, to the stably-expressed aminophospholipids of tumor blood vessels, thereby inducing thrombosis, necrosis and tumor regression.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:98579 USPATFULL
TITLE: Cancer treatment kits comprising therapeutic conjugates that bind to aminophospholipids
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Ran, Sophia, Dallas, TX, UNITED STATES
Brekken, Rolf A., Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20060083745	A1	20060420

APPLICATION INFO.: US 2005-254137 A1 20051019 (11)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-351149, filed on 12
Jul 1999, PENDING

	NUMBER	DATE
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PRIORITY INFORMATION:	US 1998-92589P	19980713 (60)
	US 1998-110600P	19981202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PEREGRINE PHARMACEUTICALS, INC., 5353 WEST ALABAMA, SUITE 306, HOUSTON, TX, 77056, US	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	8215	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 7 OF 42 USPATFULL on STN

TI Modified plasminogen inhibitor type-1 and methods based thereon
AB The present invention is based upon the discovery that modified
plasminogen activator inhibitor type-I (PAI-1) in
which two or more amino acid residues that do not contain a sulfhydryl
group have been replaced with amino acid residues that contain a
sulfhydryl group and, therefore, forms intramolecular
disulfide bonds, have increased in vivo half-life. Also disclosed are
the modified PAI-1 proteins, derivatives and analogs
thereof, specific antibodies, nucleic acid molecules and host cells.
Methods for producing modified PAI-1, derivatives
and analogs are also provided. The invention further relates to
Therapeutics, pharmaceutical compositions and method of using the
composition for treatment. The invention may be used to inhibit
angiogenesis in a subject, thereby treating diseases or conditions
associated with undesired angiogenesis and cell proliferation. Such
conditions include psoriasis, chronic inflammation, tumor invasion and
metastasis invention are useful for the treatment, prophylaxis,
management and amelioration of cardiovascular diseases such as, but not
limited to those that are related to hyperfibrinolysis, hemophilia, and
vessel leakage syndrome.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:182912 USPATFULL
TITLE: Modified plasminogen inhibitor type-1 and methods based
thereon
INVENTOR(S): Swiercz, Rafal, Bastrop, TX, UNITED STATES
Selman, Steven H., Toledo, OH, UNITED STATES
Jankun, Jerzy, Sylvania, OH, UNITED STATES
Skrzypczak-Jankun, Ewa, Sylvania, OH, UNITED STATES
Chorostowska-Wynimko, Joanna, Warsaw, POLAND

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20050158295	A1	20050721
APPLICATION INFO.:	US 2003-506406	A1	20030304 (10)
	WO 2003-US6679		20030304

	NUMBER	DATE
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PRIORITY INFORMATION:	US 2002-361670P	20020304 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	

LEGAL REPRESENTATIVE: JONES DAY, 222 EAST 41ST ST, NEW YORK, NY, 10017, US
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Page(s)
LINE COUNT: 3399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 42 USPATFULL on STN

TI Cancer treatment methods using selected antibodies to aminophospholipids
AB Disclosed are surprising discoveries concerning the role of anionic phospholipids and aminophospholipids in tumor vasculature and in viral entry and spread, and compositions and methods for utilizing these findings in the treatment of cancer and viral infections. Also disclosed are advantageous antibody, immunoconjugate and duramycin-based compositions and combinations that bind and inhibit anionic phospholipids and aminophospholipids, for use in the safe and effective treatment of cancer, viral infections and related diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:157851 USPATFULL
TITLE: Cancer treatment methods using selected antibodies to aminophospholipids
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Ran, Sophia, Riverton, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050136059	A1	20050623
APPLICATION INFO.:	US 2003-642071	A1	20030815 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-621269, filed on 15 Jul 2003, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-396263P	20020715 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WILLIAMS, MORGAN & AMERSON, P.C., 10333 RICHMOND, SUITE 1100, HOUSTON, TX, 77042, US	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	53 Drawing Page(s)	
LINE COUNT:	13044	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 42 USPATFULL on STN

TI Cancer treatment methods using selected immunoconjugates for binding to aminophospholipids
AB Disclosed are surprising discoveries concerning the role of anionic phospholipids and aminophospholipids in tumor vasculature and in viral entry and spread, and compositions and methods for utilizing these findings in the treatment of cancer and viral infections. Also disclosed are advantageous antibody, immunoconjugate and duramycin-based compositions and combinations that bind and inhibit anionic phospholipids and aminophospholipids, for use in the safe and effective treatment of cancer, viral infections and related diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:150785 USPATFULL
TITLE: Cancer treatment methods using selected immunoconjugates for binding to aminophospholipids

INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Ran, Sophia, Riverton, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050129696	A1	20050616
APPLICATION INFO.:	US 2003-642065	A1	20030815 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-621269, filed on 15 Jul 2003, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-396263P	20020715 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WILLIAMS, MORGAN & AMERSON, P.C., 10333 RICHMOND, SUITE 1100, HOUSTON, TX, 77042, US	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	53 Drawing Page(s)	
LINE COUNT:	13046	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 10 OF 42 USPATFULL on STN

TI Antibody conjugate methods for selectively inhibiting VEGF
AB Disclosed are antibodies that specifically inhibit VEGF binding to only one (VEGFR2) of the two VEGF receptors. The antibodies effectively inhibit angiogenesis and induce tumor regression, and yet have improved safety due to their specificity. The present invention thus provides new antibody-based compositions, methods and combined protocols for treating cancer and other angiogenic diseases. Advantageous immunoconjugate and prodrug compositions

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:143802 USPATFULL
TITLE: Antibody conjugate methods for selectively inhibiting VEGF
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Brekken, Rolf A., Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050123537	A1	20050609
APPLICATION INFO.:	US 2003-738404	A1	20031217 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-561005, filed on 28 Apr 2000, GRANTED, Pat. No. US 6703020		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-131432P	19990428 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Shelley P.M. Fussey, Ph.D., WILLIAMS, MORGAN & AMERSON, P.C., 10333 Richmond, Suite 1100, Houston, TX, 77042, US	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1-2	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	10237	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 42 USPATFULL on STN

TI Imaging the activity of extracellular protease in cells using mutant anthrax toxin protective antigens that are cleaved by specific extracellular proteases

AB This invention pertains to methods for imaging the activity of extracellular proteases in cells using the anthrax binary toxin-system to target cells expressing extracellular proteases with mutant anthrax toxin protective antigens (μ PrAg) that bind to receptors on the cells and are cleaved by a specific extracellular protease expressed by the cells, and ligands that specifically bind to the cleaved μ PrAg and are linked to a moiety that is detectable by an imaging procedure. The μ PrAg proteins used in the methods comprise a protease cleavage site that is cleaved by a specific extracellular protease and is in place of the furin cleavage site of the native PrAg. The methods are useful for diagnosing and treating diseases and undesirable physiological conditions correlated with the activity of extracellular proteases, and for optimizing the therapeutic efficacy of drugs used to treat such diseases and conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:143741 USPATFULL

TITLE: Imaging the activity of extracellular protease in cells using mutant anthrax toxin protective antigens that are cleaved by specific extracellular proteases

INVENTOR(S): Bugge, Thomas H., Bethesda, MD, UNITED STATES
Leppa, Stephen H., Bethesda, MD, UNITED STATES
Liu, Shi-Hui, Rockville, MD, UNITED STATES
Mitola, David, Baltimore, MD, UNITED STATES

PATENT ASSIGNEE(S): The Government of the United States as represented by the Secretary of the Department of Health and, Rockville, MD, UNITED STATES, 20852-3804 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050123476	A1	20050609
APPLICATION INFO.:	US 2003-488806	A1	20020905 (10)
	WO 2002-US28397		20020905

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-317550P	20010905 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, 8TH FLOOR, SAN FRANCISCO, CA, 94111, US	
NUMBER OF CLAIMS:	28	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4268	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 42 USPATFULL on STN

TI Antibody kits for selectively inhibiting VEGF

AB Disclosed are antibodies that specifically inhibit VEGF binding to only one (VEGFR2) of the two VEGF receptors. The antibodies effectively inhibit angiogenesis and induce tumor regression, and yet have improved safety due to their specificity. The present invention thus provides new antibody-based compositions, methods and combined protocols for treating cancer and other angiogenic diseases. Advantageous immunoconjugate and

prodrug compositions and methods using the new VEGF-specific antibodies are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:107236 USPATFULL
TITLE: Antibody kits for selectively inhibiting VEGF
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Brekken, Rolf A., Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System,
Austin, TX, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6887468	B1	20050503
APPLICATION INFO.:	US 2000-562245		20000428 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-131432P	19990428 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Nickol, G.	
ASSISTANT EXAMINER:	Yaen, C.	
LEGAL REPRESENTATIVE:	Williams, Morgan and Amerson	
NUMBER OF CLAIMS:	55	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	10510	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 42 USPATFULL on STN

TI Methods for imaging tumor vasculature using conjugates that bind to aminophospholipids

AB Disclosed is the surprising discovery that aminophospholipids, such as phosphatidylserine and phosphatidylethanolamine, are specific, accessible and stable markers of the luminal surface of tumor blood vessels. The present invention thus provides aminophospholipid-targeted diagnostic and therapeutic constructs for use in tumor intervention. Antibody-therapeutic agent conjugates and constructs that bind to aminophospholipids are particularly provided, as are methods of specifically delivering therapeutic agents, including toxins and coagulants, to the stably-expressed aminophospholipids of tumor blood vessels, thereby inducing thrombosis, necrosis and tumor regression.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:104590 USPATFULL
TITLE: Methods for imaging tumor vasculature using conjugates that bind to aminophospholipids
INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Ran, Sophia, Dallas, TX, UNITED STATES
Brekken, Rolf A., Seattle, WA, UNITED STATES
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050089523	A1	20050428
APPLICATION INFO.:	US 2004-988245	A1	20041112 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-351598, filed on 12 Jul 1999, GRANTED, Pat. No. US 6818213		

	NUMBER	DATE
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PRIORITY INFORMATION:	US 1998-92589P	19980713 (60)
	US 1998-110600P	19981202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WILLIAMS, MORGAN & AMERSON, P.C., 10333 RICHMOND, SUITE 1100, HOUSTON, TX, 77042, US	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1-63	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	8230	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 14 OF 42 USPATFULL on STN

TI Compositions comprising phosphatidylethanolamine-binding peptides linked to anti-viral agents

AB Disclosed are surprising discoveries concerning the role of anionic phospholipids and aminophospholipids in tumor vasculature and in viral entry and spread, and compositions and methods for utilizing these findings in the treatment of cancer and viral infections. Also disclosed are advantageous antibody, immunoconjugate and duramycin-based compositions and combinations that bind and inhibit anionic phospholipids and aminophospholipids, for use in the safe and effective treatment of cancer, viral infections and related diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:69437 USPATFULL

TITLE: Compositions comprising
phosphatidylethanolamine-binding peptides linked to
anti-viral agents

INVENTOR(S): Thorpe, Philip E., Dallas, TX, UNITED STATES
Soares, M. Melina, Richardson, TX, UNITED STATES
He, Jin, Dallas, TX, UNITED STATES

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20050059578	A1	20050317
	US 7511124	B2	20090331
APPLICATION INFO.:	US 2003-642121	A1	20030815 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-621269, filed on 15 Jul 2003, PENDING		

	NUMBER	DATE
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PRIORITY INFORMATION:	US 2002-396263P	20020715 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WILLIAMS, MORGAN & AMERSON, P.C., 10333 RICHMOND, SUITE 1100, HOUSTON, TX, 77042	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	53 Drawing Page(s)	
LINE COUNT:	13308	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> e swiercz, r/au

E1 7 SWIERCZ WALDEMAR/AU

E2 5 SWIERCZ WILLIAM D/AU

E3 0 --> SWIERCZ, R/AU

E4	6	SWIERCZAK AGNIESZKA/AU
E5	2	SWIERCZAK J/AU
E6	1	SWIERCZAK JANUSZ/AU
E7	1	SWIERCZAK K/AU
E8	3	SWIERCZAK KAZIMIERZ/AU
E9	1	SWIERCZAK ROMAN/AU
E10	3	SWIERCZAK SABINA/AU
E11	32	SWIERCZEK/AU
E12	2	SWIERCZEK A/AU

=> e selman, s/au

E1	1	SELMAN WARREN S/AU
E2	1	SELMAN WILLIAM A/AU
E3	0 -->	SELMAN, S/AU
E4	2	SELMANAGIC ALMIRA/AU
E5	1	SELMANAGIC I/AU
E6	1	SELMANE A/AU
E7	1	SELMANE D/AU
E8	1	SELMANE DARINE/AU
E9	3	SELMANE M/AU
E10	1	SELMANE MOHAMED/AU
E11	2	SELMANE T/AU
E12	13	SELMANE TASSADITE/AU

=> e jankun, j/au

E1	8	JANKUN THOMAS/AU
E2	1	JANKUN THOMAS M/AU
E3	0 -->	JANKUN, J/AU
E4	8	JANKUNAITE D/AU
E5	1	JANKUNAITE DALIA/AU
E6	2	JANKUNAITE E/AU
E7	1	JANKUNAS/AU
E8	6	JANKUNAS A/AU
E9	1	JANKUNAS A A/AU
E10	2	JANKUNAS ANTANAS/AU
E11	2	JANKUNAS HOPE/AU
E12	2	JANKUNAS HOPE J/AU

=> e skrzypczak, j/au

E1	4	SKRZYPCZAK WLODZIMIERZ/AU
E2	4	SKRZYPCZAK WOJCIECH/AU
E3	0 -->	SKRZYPCZAK, J/AU
E4	1	SKRZYPCZAKA/AU
E5	1	SKRZYPCZAKOVA LUTOSLAWA/AU
E6	1	SKRZYPCZAKOWA ANDELLNAIN WOJTASZEK L M/AU
E7	9	SKRZYPCZAKOWA L/AU
E8	27	SKRZYPCZAKOWA LUTOSLAWA/AU
E9	1	SKRZYPCZEK E/AU
E10	1	SKRZYPCZKY LECH/AU
E11	1	SKRZYPCZNSKI/AU
E12	15	SKRZYPCZNSKI Z/AU

=> d his

(FILE 'HOME' ENTERED AT 12:54:06 ON 20 APR 2009)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, HCAPLUS, BIOTECHDS'
ENTERED AT 12:55:08 ON 20 APR 2009

L1	406 S (PAI-1 AND DISULFIDE BOND)
L2	69 S L1 AND (SULFHYDRYL GROUP)
L3	66 S L2 AND (CYSTEINE)

L4 61 S L2 AND (POSITION 31 OR 97)
L5 42 S L4 AND (POSITION 192 OR 197)
E SWIERCZ, R/AU
E SELMAN, S/AU
E JANKUN, J/AU
E SKRZYPCZAK, J/AU

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